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## UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	000352-804	0	
First Inventor	Robert R. Rice	- Let	
Title	See 1 in Addendum		
Express Mail Label No.	ET837519612US	278 27/0	

See MPEP c	APPLICATION ELEMENTS chapter 600 concerning utility patent application contents.	ADDRESS TO: Commission P.O. Box 1	Patent Application Oner for Patents 450 VA 22313-1450			
(Submit Applica See 37 Applica See 37 Specific (prefere - Description - Cross - Statem - Refere or a co - Backg - Brief S - Brief D - Detaile - Claim( - Abstra 4. X Drawin	ptive title of the invention Reference to Related Applications nent Regarding Fed sponsored R & D nence to sequence listing, a table, computer program listing appendix round of the Invention Summary of the Invention Description of the Drawings (if filed) and Description s) ct of the Disclosure  ag(s) (35 U.S.C. 113) [Total Sheets]	ii. Paper  c. Statements verifying  ACCOMPANYING API  9. X Assignment Papers (cove 37 CFR 3.73(b) Statemen (when there is an assigned)	codix) Sequence Submission Form (CRF) Ce Listing on: D-R (2 copies); or  identity of above copies PLICATION PARTS  er sheet & document(s)) Int			
5. Oath or Declaration [Total Sheets 2] a. X Newly executed (original or copy)  b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)  i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76		11.				
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:						
	Continuation Divisional Continuation-in-part (CIP) of prior application No.:					
Prior application information:  Examiner  For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.						
19. CORRESPONDENCE ADDRESS						
	er Number:		pondence address below			
	Connie M. Thousand, Northrop Grumman S	pace &				
Address Mission Systems Corp. One Space Park, Bldg. E1/2041						
	Redondo Beach	State CA	Zip Code 90278			
Country	T	elephone 310-813-1550	Fax 310-812-2687			
Name (Print/Type) Connie M. Thousand Registration No. (Attorney/Agent) 43,191						
Signature	(monthorisano)		Date 12/04/2003			

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mall Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

(Complete (if applicable)

Complete if Known

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Fifective 10/01/2003. Patent fees are subject to annual revision.  Applicant claims small entity status. See 37 CFR 1.27		Application Number		
		Filing Date	December 5, 2003	
		First Named Inventor	Robert R. Rice	
		Examiner Name	Unassigned	
		Art Unit	N/A	
TOTAL AMOUNT OF PAYMENT	<b>(\$)</b> 810.00	Attorney Docket No.	000352-804	

METHOD OF PAYMENT (check all that apply)	T	FEE CALCULATION (continued)				
Check Credit card Money Other None	2 ^	3. ADDITIONAL FEES				
Check Credit card Money Other None		Entity				
X Deposit Account:	Fee	Fee	Fee	Fee		
Deposit Account 14-1325	Code		Code		Fee Description	Fee Paid
Account Number 14-1325	1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Account Northrop Grumman Corporation	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Director is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification	<u> </u>
X Charge fee(s) indicated below $X$ Credit any overpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	<u> </u>
X Charge any additional fee(s) or any underpayment of fee(s)	1804	9201	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee	1805	1,840	1805	1,840*		
to the above-identified deposit account.		1,070		.,	Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Pee Paid	1254	1,480	2254	740	Extension for reply within fourth month	
Code (\$)   Code (\$)   1001 770   2001 385   Utility filing fee   770 00	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee 770.00	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	Petition to revive - unavoidable	
		1,330	2453	665	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,330	2501	665	Utility issue fee (or reissue)	
Extra Claims below Fee Pai	<b>₫</b> 1502	480	2502	240	Design issue fee	
Total Claims	1503	640	2503	320	Plant issue fee	
	1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity   Small Entity     Fee   Fe	1806	180	1806	180	Submission of Information Disclosure Stmt	
Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be	
1204 86 2204 43 ** Reissue independent claims					examined (37 CFR 1.129(b))	<del></del>
over original patent	1801	770	2801		Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$)	11	r fee (sp				
**or number previously paid if greater: For Reissues, see above	*Rec	luced by	/ Basic	Filing F	Fee Paid SUBTOTAL (3) (\$)	40.00

Telephone 310-813-1550 (Attorney/Agent) December 4, 2003 Date Signature WARNING: Information on this form may become public. Credit card information should not

be included on this form. Provide credit card information and authorizati n on PTO-2038.

SUBMITTED BY

Name (Print/Type)

Connie M. Thousand

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Registration No.

43,191

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Robert R. Rice and Sami A. Shakir

Application No.:

Group No.: N/A

Filed: 12/05/03

Examiner: Unassigned

For: MULTIMODE RAMAN FIBER DEVICE WITH MODE DISCRIMINATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## **EXPRESS MAIL CERTIFICATE**

"Express Mail" label number ET837519612US Date of Deposit 12/05/2003

I hereby state that the following attached papers or fees

- 1. Utility Patent Application Transmittal (2pgs.)
- 2. Fee Transmittal in duplicate
- 3. Patent Application (15pgs.) Specif. 11pgs., Claims 3pgs. (11 Claims), Abstract 1pg.
- 4. 2 Sheets Formal Drawings (Figures 1-4)
- 5. Declaration (2pgs.)
- 6. Assignment (1pg.) w/PTO-1595 in duplicate
- 7. Information Disclosure Statement 1 pg. w/PTO-1449 in duplicate and cited art

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Lorna L Schott

Signature of person mailing paper or fee

## Addendum

1. MULTIMODE RAMAN FIBER DEVICE WITH MODE DISCRIMINATION